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**Manuscript NO:** 49795

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### **Basic Study**

**Zinc- $\alpha$ 2-glycoprotein 1 attenuates nonalcoholic fatty liver by negatively regulating tumour necrosis factor- $\alpha$**

Liu T *et al.* AZGP1 attenuates nonalcoholic fatty liver

Ting Liu, Xin Luo, Zheng-Hong Li, Jun-Cheng Wu, Sheng-Zheng Luo,  
Ming-Yi Xu

### **Abstract**

#### **BACKGROUND**

Zinc- $\alpha$ 2-glycoprotein 1 (AZGP1) plays important roles in metabolism-related diseases. The underlying molecular mechanisms and therapeutic effects of

### Match Overview

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1	Crossref	151 words Xinhua Xiao, Han Li, Xiaoyan Qi, Yadi Wang, Canxin Xu, Gexin Liu, Gebo Wen, Jianghua Liu. "Zinc alpha2 glycopr	3%
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<https://onlinelibrary.wiley.com/doi/10.1002/jcb.28468>

**Nonalcoholic fatty liver diseases (NAFLD)** is a **liver metabolic syndrome**, affecting 24% of the worldwide population and making it the most common cause of chronic **liver disease**, both familiar in obese and normal-weight people with markedly increasing incidence in recent years. 1 Due to the **fat** deposited in the **liver**, **NAFLD** ranges from **nonalcoholic fatty liver** to **nonalcoholic steatohepatitis (NASH)**, which typically occurs before **liver fibrosis**...

### Apoptosis and Necrosis in the Liver - PubMed Central (PMC)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3867948>

Due to this partial separation of function and injury, a number of **liver diseases** are not initially discovered because of decreased **liver function**, but rather through evidence of increased **liver injury**. As a brief example, consider the patient with **nonalcoholic fatty liver disease**, a growing health problem.

Cited by: 168 Author: Maria Eugenia Guicciardi, Harmeet M Ma...  
Publish Year: 2013

### Biomarkers in nonalcoholic fatty liver disease

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4277175>

Jun 29, 2014 - BACKGROUND: Nonalcoholic **fatty liver disease (NAFLD)** is a chronic **liver condition** characterized by insulin resistance, type 2 diabetes and fat accumulation in the **liver** that may cause hepatic inflammation and progressive scarring leading to nonalcoholic steatohepatitis (NASH) and irreversible **liver damage (cirrhosis)**.

Cited by: 61 Author: Manuela G Neuman, Lawrence B Cohen,...  
Publish Year: 2014

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Role of visfatin and zinc- $\alpha$ 2-glycoprotein in pathogenesis of non-alcoholic **fatty liver disease** Article · January 2015 with 19 Reads DOI: 10.11569/wcjd.v23.i1.58

### Serum zinc- $\alpha$ 2-glycoprotein concentrations in patients with ...

[https://www.researchgate.net/publication/47793153\\_Serum\\_zinc-a2-glycoprotein...](https://www.researchgate.net/publication/47793153_Serum_zinc-a2-glycoprotein...)

Visfatin is not only an adipocyte-specific protein, and it has a close relation with **nonalcoholic fatty liver disease (NAFLD)**. Zinc- $\alpha$ 2- glycoprotein (ZAG), which is identical to the previously ...

### Effect of curcumin on visfatin and zinc- $\alpha$ 2-glycoprotein in ...

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Zinc- $\alpha$ 2-glycoprotein 1 attenuates nonalcoholic fatty liver by negatively regulating



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Cited by: 1

Author: Shenzong Rao, Jingsong Huang, Zhijun Sh...

Publish Year: 2019

### Apoptosis and Necrosis in the Liver - ncbi.nlm.nih.gov

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3867948>

The first example of this in a preclinical model was the prevention of HCC in an animal model of HBV-mediated **liver cancer** using anti-FasL-directed therapy . Fausto and co-workers also demonstrated that transgenic expression of Bcl-2 also prevented HCC in a transforming growth **factor- $\alpha$** -induced genetic mouse model of HCC .

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Author: Maria Eugenia Guicciardi, Harmeet M Malh...

Publish Year: 2013

### Hepatic leukocyte immunoglobulin-like receptor B4 (LILRB4 ...

<https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/hep.29633>

Nov 01, 2017 · Nonalcoholic **fatty liver** disease (NAFLD), characterized by lipid accumulation in the **liver**, is a global epidemic with a morbidity of up to 20%-40% worldwide. **1** The occurrence of NAFLD predisposes patients to severe **liver** diseases, including nonalcoholic steatohepatitis (NASH), **liver** cirrhosis, and hepatocellular carcinoma, and it is commonly ...

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Publish Year: 2018

### Effect of curcumin on visfatin and zinc- $\alpha$ 2-glycoprotein in ...

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To investigate the effect of curcumin on visfatin and zinc- $\alpha$ 2-glycoprotein (ZAG) expression levels in rats with **non-alcoholic fatty liver** disease (NAFLD). METHODS: Fifty-six male rats were randomly divided into a control group (n=16) and model group (n=40) and were ...

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Publish Year: 2016

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